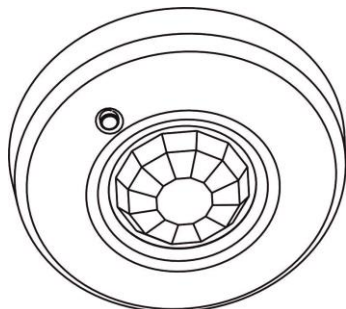




Astra-7 ver.A

(Volumetric Lens)

Optic-Electronic PIR Motion
Detector



User Guide

Manufacturer:
ZAO NTC TEKO
420108 Kazan, Russia
Gafuri 71
+7 843 528-03-69
export@teko.biz
www.teko.biz

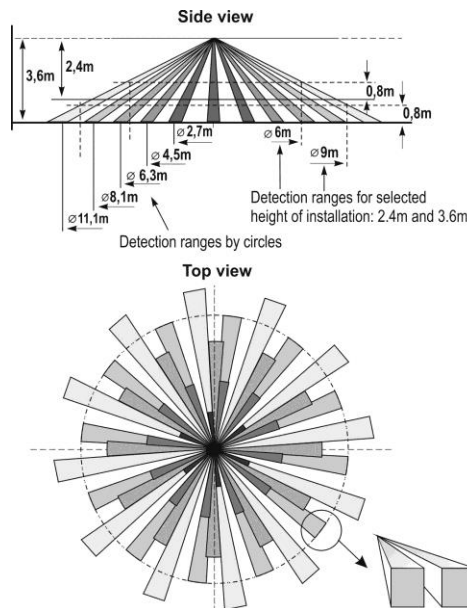
Made in Russia

Rev. 7-av1_5_instr_en

1 FUNCTION

Detector is intended to detect unauthorized access into closed protected area and generate an alarm notification by opening relay contacts.

2 DETECTION ZONE



3 SPECIFICATION

Range of detectable moving speed, m/sec from 0.3 up to 3.0
Power supply voltage, V from 8 up to 15
Current consumption, mA, max 15

Overall dimensions, mm diameter 91
height 31

Operating Conditions

Temperature range, °C from - 30 up to +50
Relative air humidity, % up to 98 at +25 °C
Without moisture condensation

4 DELIVERY SET

Delivery set includes: dowel – 2 pcs., screw – 2 pcs., user guide – 1 pcs., label – 2 pcs.

5 MODES OF OPERATION

	Plug	Jumper position
High detectability	Mode	
Normal detectability		
Indication ON	Ind	
Indication OFF		
“Alarm memory” ON	Mem	
“Alarm memory” OFF		
TEST-pass	Ind	See sec. 9

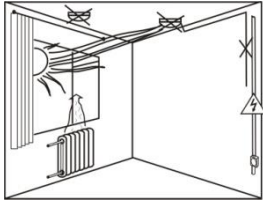
6 INSTALLATION PLACE

- 1) Recommended installation height is 2.4-3.6 m.
- 2) Detector should be installed on the ceiling (or any other horizontal surface) **horizontally**.
- 3) Alarm loop and power supply wires should be located far from power cables.

To eliminate false alarm hazards

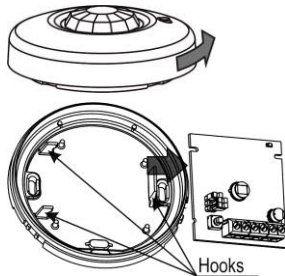
It is recommended to close all doors, air-vents, switch off fans, air-conditioners and other sources of intense air flows in the room during protection period.

Not recommended installation places

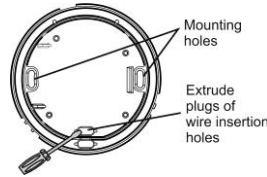


7 INSTALLATION PROCEDURE

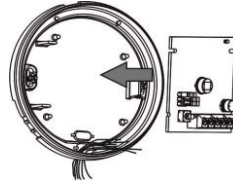
- 1) Remove cover
- 2) Remove PCB



- 3) Install base on the ceiling



- 4) Install PCB and perform wiring (see sec.8)



- 5) Perform TEST-pass (see sec.9)

8 WIRING

Perform wiring to detector's terminals in accordance with control panel operating manual.



TMP Relay +12V GND

TMP – detector tampering control terminals;
RELAY – terminals for detector connection to alarm loop;
+12V, GND – power supply terminals.

9 TEST-PASS

- 1) Remove jumper from **Mem** plug, install jumpers on **Ind** and **Mode** plugs.
- 2) Power detector ON. LED starts flash during **60 sec.**

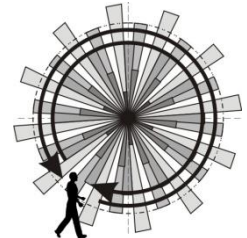
- 3) During this time



- 4) Close detector.

- 5) To detect sensitive zones carry out **TEST-pass** in the secured zone with the speed of **0,3 m/sec.**

On detection (indicator is lighted for **2sec**) one should stop, mark this position, then make step back and continue moving. Repeat **TEST-pass** inversely.



10 WARRANTY

The operation warranty period is 5 years from the date of operation start-up but no longer than 5 years 6 months from the date of manufacturing subject to the requirements of Operating Manual.